Cyclopamine-KAAD

Cancer/Cell Cycle Research » Other Anticancer Agents

KAAD-Cyclopamine
3-Keto-N-(aminoethyl-aminocaproyl-dihydrocinnamoyl)cyclopamine

Pale yellow solid. PROTECT FROM LIGHT. PACKAGED UNDER INERT GAS. A potent, analog of Cyclopamine (Cat. No. 239803) that specifically inhibits the Hedgehog (Hh) sigr or lower toxicity (IC_{50} = 20 nM in Shh-LIGHT2 assay; 50 nM in $p2^{Ptch-/-}$cells; 500 nM in Sı cells). Binds to SmoA1 and promotes its exit from the endoplasmic reticulum. Suppresses induced pathway activity and SmoA1-induced reporter activity. *Purity: ≥95% by TLC.*

Ref.: Watkins, D.N., et al. 2003. *Nature* **422,** 313. Berman, D.M., et al. 2002. *Science* **297** et al. 2002. *Proc. Natl. Acad. Sci. USA* **99,** 14071. Chen, J.K., et al. 2002. *Genes Dev.* **16,** Kamenetsky, M., et al. 2002. *J. Biol.* **1,** 10. Taipale, J., et al. 2000. *Nature* **406,** 1005.

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100 µg	Y		N/A

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Solubility
DMSO or MeOH

Molecular Formula
$C_{44}H_{63}N_3O_4$

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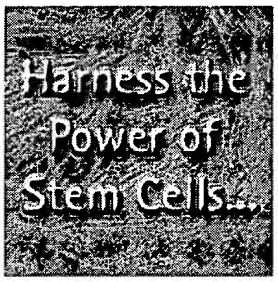

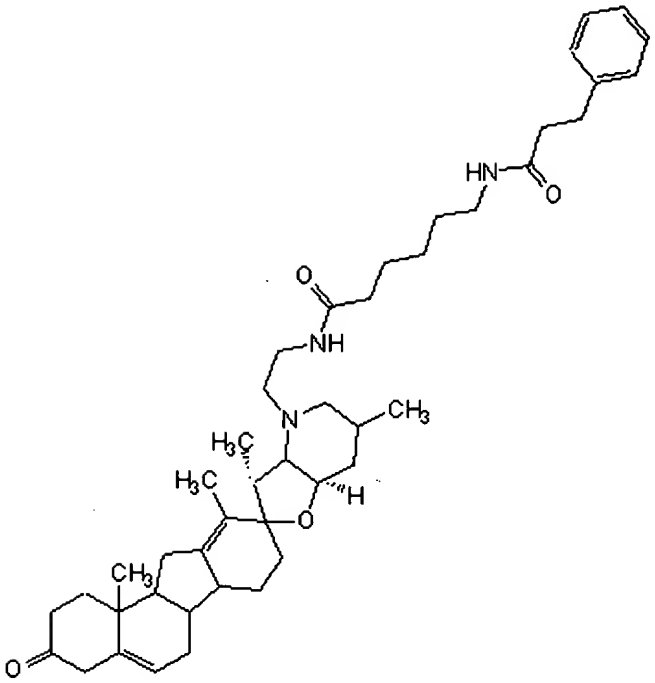

Material Safety Data Sheets:

239804: Cyclopamine-KAAD - English

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